INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/27990

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B64C 27/51 US CL : 416/106, 107, 134A, 140, 141			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 416/106, 107, 134A, 140, 141, 148, 149, 150; 244/17.11; 188/282.1, 299.1, 319.2, 322.15, 283, 266.3			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched None			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) None			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a		Relevant to claim No.
х	US 2,774,553 A (JENSEN) 18 December 1956 (18.	1, 4-9, 12-17, 23	
Y	3, lines 1-18, column 4, lines 12-75, column 6, lines 1-30.		2-3, 10-11, 21
x	US 2,754,937 A (BUIVID) 17 July 1956 (17.07.1956), column 1, lines 53-56, column 2, lines 60-72, column 3, lines 29-45.		1, 4, 9, 12, 17, 23
Ÿ			2-3, 10-11, 21
x	US 2,155,427 A (LARSEN) 25 April 1939 (25.04.1939), column 2, lines 1-55, column 3,		18-20, 22
Y .	lines 1-24.		21
X US 4,543,040 A (McARDLE et al) 24 September 1985 (24.09.1985), column 4, lines 60- 68, column 5, lines 1-33.		18 21	
Y	US 4,244,677 A (NOEHREN et al) 13 January 1981 (13.01.1981), column 2, lines 21-68, column 3, lines 1-36.		2-3, 10-11
Further	documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: "T" later document published after the international filing date or p			
A document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application or theory underlying the investment of the conflict with the application of the conflict with the application of the conflict with the application of the app	
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"O" document	referring to an oral disclosure, use, exhibition or other means	being Obvious to a person skilled in the	ant .
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report 0 6 JUN 2005	
30 April 2005 (30.04.2005) Name and mailing address of the ISA/US A		Authorized officer	N. Th.
Mail Stop PCT, Attn: ISA/US		Christopher Verdier Stand Market	
Commissioner for Patents P.O. Box 1450			
Alexandria, Virginia 22313-1450			
Facsimile No. (703) 305-3230			